

WO 00/12691

PCT/JP99/03682

1/7

JC03 Rec'd PCT/PTO 27 FEB 2001

SEQUENCE LISTING

09/763836

<110> FUSO PHARMACEUTICAL INDUSTRIES, LTD.

<120> Nucleic Acid Sequence which Enhances Gene Expression and Method of
Enhancing Gene Expression

<130> 99P137W0

<150> 11

<210> 1

<211> 713

<212> DNA

<213> Hepatitis Type C Virus (HCV)

<220>

<221> 5' UTR

<222> (1).. (341)

<220>

<221> CDS

<222> (342).. (713)

<400> 1

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ccccctccc gggagagcca tagtggctcg cggaaccggt gactacaccg gaattgccag    180
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Received Time Feb. 23. 4:05AM

Print Time Feb. 23. 4:32AM

WO 00/12691

PCT/JP99/03682

2/7

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Met Ser Thr Asn Pro
1 5
aaa cct caa aga aaa acc aaa cgt aac acc aac cgc cgc cca cag gac 404
Lys Pro Gln Arg Lys Thr Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp
10 15 20
gtc aag ttc ccg ggc ggt ggt cag atc gtt ggt gga gtt tac ctg ttg 452
Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Gly Val Tyr Leu Leu
25 30 35
ccg cgc agg ggc ccc agg ttg ggt gtg cgc gcg act agg aag act tcc 500
Pro Arg Arg Gly Pro Arg Leu Gly Val Arg Ala Thr Arg Lys Thr Ser
40 45 50
gag cgg tcg caa cct cgt gga agg cga caa cct atc ccc aag gct cgc 548
Glu Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro Ile Pro Lys Ala Arg
55 60 65
cgg ccc gag ggc agg acc tgg gct cag ccc ggg tat cct tgg ccc ctc 596
Arg Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu
70 75 80 85
tat ggc aac gag ggc atg ggg tgg sca gga tgg ctc ctg tcg ccc cgc 644
Tyr Gly Asn Glu Gly Met Gly Trp Ala Gly Trp Leu Leu Ser Pro Arg
90 95 100
ggc tcc cgg cct agt tgg ggc cct tcg gac ccc cgg cgt agg tcg cgt 692
Gly Ser Arg Pro Ser Trp Gly Pro Ser Asp Pro Arg Arg Arg Ser Arg
105 110 115
aat ttg ggt aag gtc atc gat 713
Asn Leu Gly Lys Val Ile Asp
120

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Received Time

Feb. 23. 4:05AM

Print Time

Feb. 23. 4:32AM

WO 00/12691

PCT/JP99/03682

3/7

<210> 2

<211> 31

<212> DNA

<213> Hepatitis Type C Virus (HCV)

<220>

<223> Nucleotide Sequence of PCR Primer for Amplifying Fragments of HCV
cDNA

<400> 2

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31

<210> 3

<211> 31

<212> DNA

<213> Hepatitis Type C Virus (HCV)

<220>

<223> Nucleotide Sequence of PCR Primer for Amplifying Fragments of HCV
cDNA

<400> 3

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<210> 4

<211> 29

<212> DNA

<213> Hepatitis Type C Virus (HCV)

WO 00/12691

PCT/JP99/03682

4/7

<220>

<223> Nucleotide Sequence of PCR Primer for Amplifying Fragments of HCV
cDNA

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29

<210> 5

<211> 30

<212> DNA

<213> Hepatitis Type C Virus (HCV)

<220>

<223> Nucleotide Sequence of PCR Primer for Amplifying Fragments of HCV
cDNA

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30

<210> 6

<211> 26

<212> DNA

<213> Hepatitis Type C Virus (HCV)

<220>

<223> Nucleotide Sequence of PCR Primer for Amplifying Fragments of HCV
cDNA

<400> 6

Received Time

Feb. 23. 4:05AM

Print Time

Feb. 23. 4:31AM

WO 00/12691

PCT/JP99/03682

5/7

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26

<210> 7

<211> 342

<212> DNA

<213> Mutated Hepatitis Type C1b Virus (HCV)

<220>

<221> 5' UTR

<222> (1).. (342)

<400> 7

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gacgaccggg	icctticttg	gatcaatccc	gtcfaatgcc	tggagatttg	gscgtgcccc	240
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<210> 8

<211> 29

<212> DNA

<213> Hepatitis Type C1b Virus (HCV)

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<223> Nucleotide Sequence of PCR Sense Primer for Amplifying Mutated Fragments of HCV1b cDNA

<400> 8

Received Time

Feb. 23. 4:05AM

Print Time

Feb. 23. 4:31AM

WO 00/12691

PCT/JP99/03682

6/7

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29

<210> 9

<211> 20

<212> DNA

<213> Hepatitis Type C1b Virus (HCV)

<220>

<223> Nucleotide Sequence of PCR Anti-sense Primer for Amplifying Mutate
d Fragments of HCV1b cDNA

<400> 9

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20

<210> 10

<211> 30

<212> DNA

<213> Renilla luciferase

<220>

<223> Nucleotide Sequence of PCR Sense Primer for Amplifying Renilla luc
iferase gene

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accgtgcacc atgacttcga aagtttaaga

30

<210> 11

<211> 30

<212> DNA

WO 00/12691

PCT/JP99/03682

7/7

<213> Renilla luciferase

<220>

<223> Nucleotide Sequence of PCR Anti-sense Primer for Amplifying Renilla luciferase gene

<400> 11

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30